ACC NR. AT7011646

spacesuit under conditions of excess pressure and reduced ambient pressure place a serious load on the organism, placing constant and prolonged stress on the compensatory mechanisms. During the first 3 days, the general condition of all subjects and the level of their work capacity showed no serious changes. By the 4th dition of the subjects which were directly related to the magnitude and duration of heat loading.

Differences between subjects depended on different loading conditions. Subject A, whose spacesuit during the entire 7 days was ventilated by cooled air, showed no noticeable strain of the thermoregulatory system. Body temperature was maintained within limits of 36.5 to 37.2°C, average skin temperature ranged from 34.6 to 36.3°C, heart rate in the condition of relative rest did not exceed 80 beats/min, and average non-kidney his sensations as "warm." The post-experimental clinical physiological examination did not reveal any major changes. Observed shifts could be ascribed to general fatigue and the relative 7-day hypodynamia.

Cord 7/11

the street of th

ACC NR. AT7011666

In experiments with increased heat load, where almost all of the erdogenic heat was removed by means of evaporation of sweat, the stress on the system of body thermoregulation was more pronounced. Non-kidney moisture loss was from 3650 to 4000 g/day. As could be judged from the relatively stable temperature of the body and skin during the first 3 days, it was possible to maintain heat balance of the organism. On the 4th day, however, both subjects (B and C) began to show symptoms of overheating (increases in body temperature and in heart rate). A gradual increase of these phenomena reached its maximum on the 5th day. The experiment with ventilating air of patient C's spacesuit was reduced, his general condition became normal. Body temperature 64 and 72 beats/min. During the next 2 days, body temperature ranged between 37.0 and 37.0°C. The skin 35.5 and 36.5°C.

Apparently the considerable change in the thermal balance of subjects B and C on the 4th day of the experiment was due to exhaustion of the thermoregulatory

ACC NR. AT7011646

mechanisms, which by then had been under stress for some time. The immediate cause was perspiratory dysfunction: even with the unlimited amount of water available, on the 4th and 5th days subject C exhibited a reduction in non-kidney moisture loss which could have caused increased overheating.

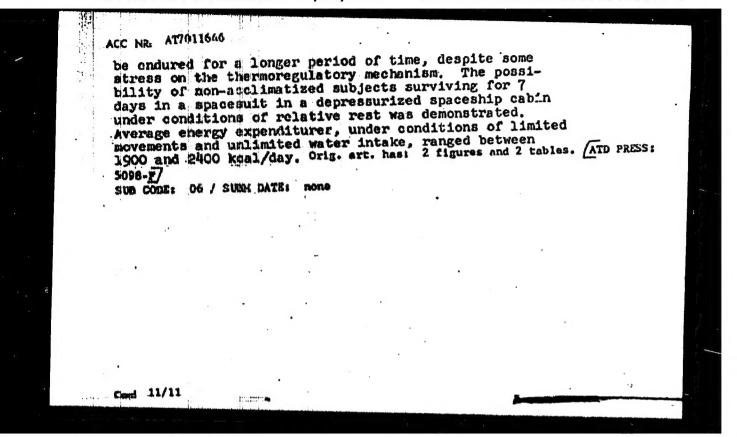
The post-experimental examination of patient B revealed a pronounced fatigue and a hypostatic edema of the lower extremities. The edema of the lower extremities was probably due to the condition fact that this subject was obliged to sleep with his feet down, disrupted electrolyte balance caused by increased non-kidney fluid loss. Patient A, who was permitted greater a horizontal position with his legs raised, and who was exposed to a smaller heat load, showed no edema. Hy-fatty component of the body increased only by 350 g. heat load, patient C, who was permitted to sleep and rest in a horizontal position, showed no apparent edemas. However, following the experiment, the water Cord 9/11

ACC NR AT7011646

component of his body had increased by 1000 g. During the final day of the experiment, when the thermal loading was substantially reduced, urine production increased from 500-740 to 1525 g day (compared to a daily wine production in subjects A and B during the experiment of approximately 663 to 758 g/day). This great divresis in patient C apparently indicated the appearance of hidden edemas, which began to dissipate when the thormal load was reduced. Following the experiment, subject C showed fatigue and vascular-vegetative instability. Within 3 days, all these symptoms had disappeared.

Thus, in experiments where all of the heat exchange of the subject was accomplished by evaporation of sweat, thermal balance could be maintained for 3 or 4 days, after which symptoms of overheating appeared. After 4 to 5 days, the thermoregulatory mechanisms became exhausted and intemsive overheating appeared. Then 25 to 40% of the endogenic heat of the body was removed by use of cooled air, the experimental conditions could

Cord 10/11



GOLOVKIN, M. E.

Sodershanie ustroistv avtoblokirevki v simnikh uslovijakh. / Maintenance of the block system device under winter conditions ... Moskva, Gos. transp. zhel-dor. izd-vo, 1939. 21 p.

DLC: TF630.G73

SD: <u>SOVIET TRANSPORTATION AND COMMUNICATIONS</u>, A BIBLIOGRAPHY, Library of Congress Reference Repartment, Washington, 1952, Unclassified.

GOLOVKIN, M. K.

Ustroistvo i spdershamie svtoblokirovki. / Installation and maintenance of the block system. / Moskvia, Transsheldorizdat, 1939. 264 p. illus.

SD: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Mashington, 1952, Unclassified.

BHYLMYNV, A.M., laurent Stalineboy premii, inshener; GAMEURO, Ye.Yu., inshener, retsensent; RAZAKOV, A.A., kandidat tekhnicheskikh nank, retsensent; KUT'IN, I.M., do tsent, kandidat tekhnicheskikh nank, retsensent; LECKOV, A.A., inshener, retsensent; KHEMEOV, E.M., laurent Stalinekoy premii, inshener, retsensent; CHER-METIAS, N.A., laurent Stalinekoy premii, inshener, retsensent; METIAS, N.A., laurent Stalinekoy premii, inshener, retsensent; ECVI-KOV, V.A., dotsent, retsensent; PIVOVAROV, A.L., inshener, retsensent; POGODIN, A.N., inshener, retsensent; EMODOROV, L.R., inshener, retsensent; PIVOVAROV, A.L., inshener, retsensent; EMODOROV, L.R., inshener, retsensent; retsensent; RHODOROV, A.L., inshener, retsensent; RHODOROV, L.R., inshener, retsensent; RHODOROV, V.I., kandidat tekhnicheskikh nauk, retsensent; KIYKOV, A.P., inshener, retsensent; YUDZOE, D.M., tekhnicheskiy redaktor; VERIEA, G.P., tekhnicheskiy redaktor; VERIEA, G.P., tekhnicheskiy

[Technical handbook for railroad men] Tekhnicheekii spravochnik shelesnodoroshnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, svias.

Red. hollogiia A.F. Baranov [i dr.] Glav.red. B.F. Endoi. Noskva, Gos. transp. sheledor, isd-vo. 1952. 975 P. (Gard 2) (MLRA 8:2)

(Railroads---Signaling) (Bailroads---Communication systems)

ų

BARANOV, A.F., redaktor; BIEXUKIN, D.D., redaktor; VAKHNIN, M.I., otvetstvenmyy redaktor town, professor, doktor takhnicheskikh nauk; VEDENISOV, B.E., redaktor; IVLLYEV, I.V., redaktor; MONHCHUK, I.D., redaktor; RUDOY, Ye.F., glavayy redaktor; SOKOLIBERTY, Ya.I., redaktor; SOLOGUBOV, V.H., redaktor; SHILLIVERTY, V.A., redsktor; ALVEROV, A.A., inshener; AMASHKIN, B.T., inshener; AFAHAS'YEV, Ye.V., laurent Stalinskoy premii, inshener; BELENKO, E.H., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHILITSOV, P.H., inshener; MRAR, M.R., inshener; IL'YEMEOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; ERAYEMER, L.E., kandidat tekhnicheskikh nauk; KOTLYANERKO, H.F., dotsent, kandidat tekhnicheskikh nank; MAYEHEV, P.V., professor, kandidat tekhnichenkikh namk; MARKOV, M.V., inshener; MELEPETS, V.S., dotsent, kandidat tekhnicheskikh namk; MOVIKOV, V.A., dotsent; ORLOV, M.A., inshener; PETROV, I.I., kandidat tekhnicheskikh hauk; PIVEO, G.M., inshener; PO-GODIN, A.K., inshener; RANLAU, P.N., dotsent, kandidat tekhnicheskikh mauk; ROGINSKIY, V.B., kandidat tekhnicheskikh nenk; RYAKARTSEV, B.S., laurest Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SHARREIT, A.A., inshener; PEE DMAH, A.B., inshener; SHARTIN, V.A., laurest Stalinskoy premii, inshener; SHUR, B.I., inshener; GONCHUKOV, V.I., inshenen, retsensent; MOVIKOV, V.A., dotsent, retsensent; AFA-HAS THY, Ye. V., laureat Stalinskoy premii, retsensent; [Technical handbook for railroad men] Tekhnicheskii spravochnik shelesnodoroshnika, Vol. 8. [Signaling, central control, block system, and communication] Signalizatella, tsentralizatella, blokirovka, svias'. Red. kullegiia A.F.Baranov [i dr.] Glav.red. B.F.Budoi. Moskva, Gos. transp. shel-dor. 1md-vo, 1952. 975 p. (Continued on next card)

GOLOVEIN, M.K., innhener, scetavitel'; RAKITO, B.I., redaktor; MATSEYEV-SKAIN, 16,M., tekhnicheskiy redaktor. [Handbook for electricians and installers of redbook for

[Handbook for electricians and installers of railroad signal central central and block systems] Famiatka elektromekhaniku i menteru ETaB, 4-e, perer. isd. Moskva, Gos. transp. shel-dor. isd-vo, 1953. 86 p. [Microfilm] (MERA 7:11)

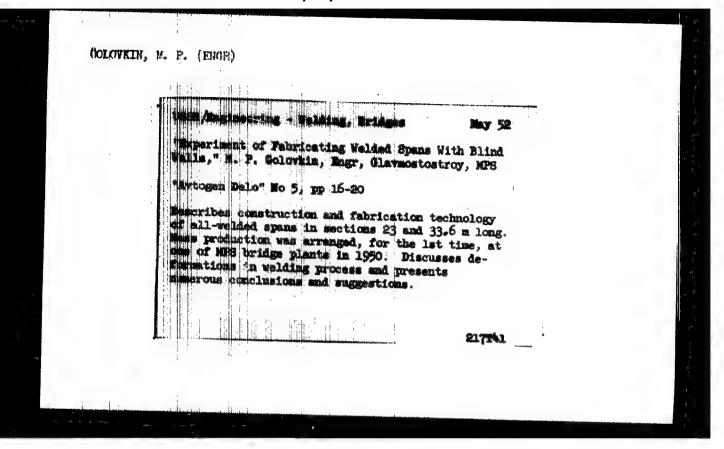
EUT'IN, I.M., kandidat tekhnicheskikh nauk; GOLOVKIN, M.K., inzhener; STEPAHOV, H.M.; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[A guide for the electrician and wireman of the automatic railroad signal block system] Rukevodstvo elektromekhaniku i monteru avto-blokirovki. Ind. 4-ca, perer. i dop. Moskva, Gos. transp. shel-dor. ind-vo 1956, 303 p. (MIRA 9:11)

1. Hussia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads--Signaling--Block system)

AFAHAS'EV, Yovgendy Vladimirovich; GOLOVKIW, Mikhail Kapitanovich; MARENGOVA, G.I., insh., red.; BORROVA, Ye.W., tekhn.red.

[Operation of signaling, centralized control, and black systems in the railroad transportation system] Eksplustativia ustroisty STeB na shelesnomoroshnom transporte. Moskva, Gos. transp. shel-dor.isd-vo, 1958. 266 p. (MIRA 11:12) (Railroad-Signaling)



GOLOVKIN, M. P.

"Fabrication of All-Welded Girder Bridges with Solid Walls" (Avto. Delo, 1952, 23, May, p. 16)

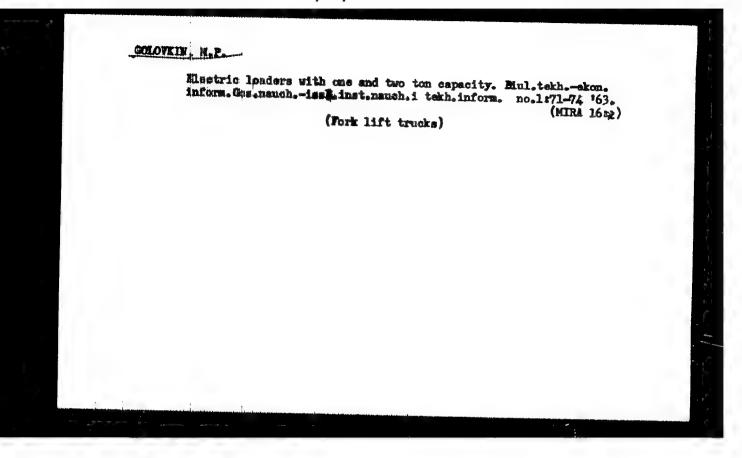
This refers to the same development as that described in ref. 33 above. The practical difficulties encountered in welding, particularly control of distortion, are described, together with the jigging and welding procedures evolved to overcome them.

ΥŢ

GOLOVKIN, Mikhail Paulovish; NAUMOV, A.F., retsenzent; NAUMKIN, A.N., inzh., retsenzent; RAMODIN, V.N., inzh., retsenzent; SOLDATENKOV, A.G., retsenzent; YEFIMOV, G.P., kand.tekhn.nauk, red.; HEDVEDHVA, M.A., tekhn. red.

[Design and operation of motor operated loaders] Ustroistvo i ekplustatsiis avtopogruschikov. Moskva, Vses.izdatel'sko-poligr. obedimenis H-va putei soobshcheniia, 1961. 77 p. (MIRA 14:12)

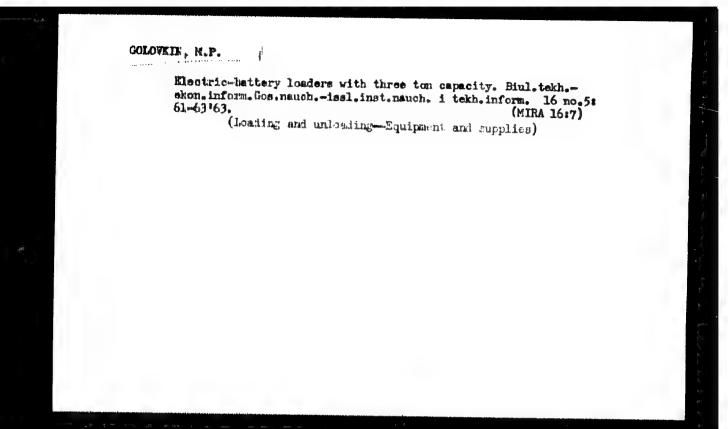
1. Abkhasian A.S.S.R. Statisticheskoye upravleniye. (Abkhazia—Statistics)

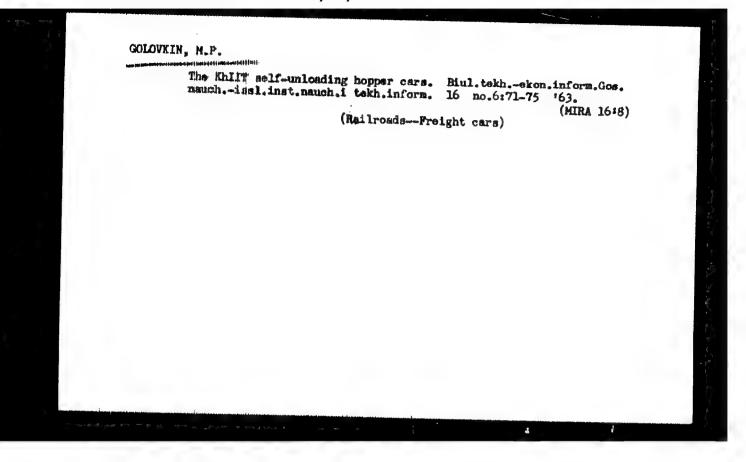


GOLOVKIN, M.P.

Self-discharging railroad cars for industrial transportation. Miul.tekh.-ekon.inform.Gos.nauch,-issl.inst.nauch. i tekh. inform. no.3:60-65 '63. (MIRA 16:4)

(Railroads-Freight cars)

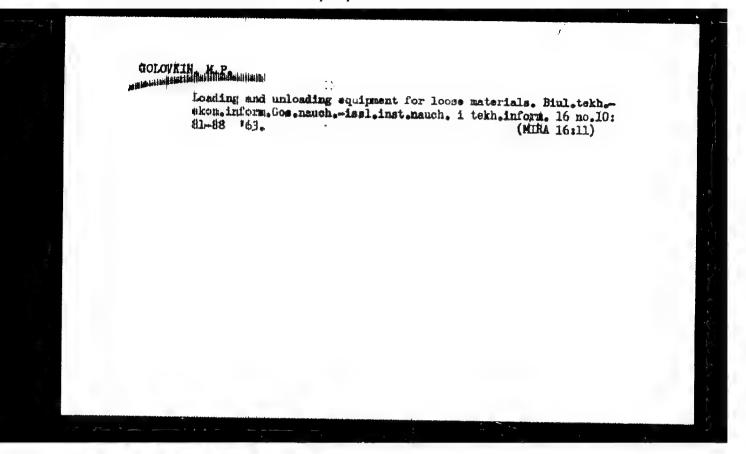


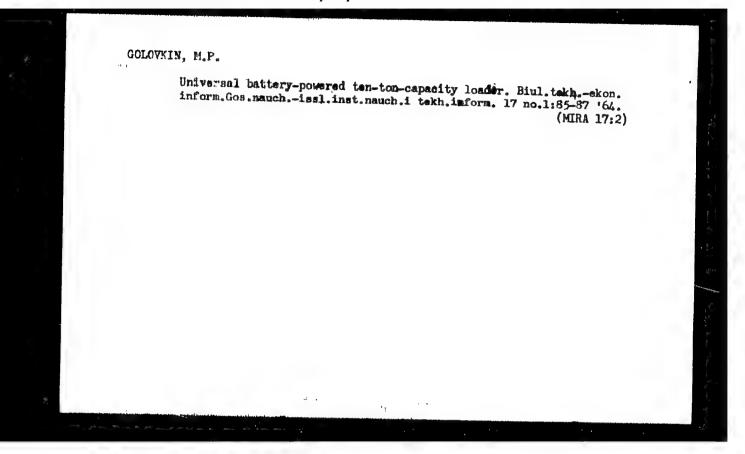


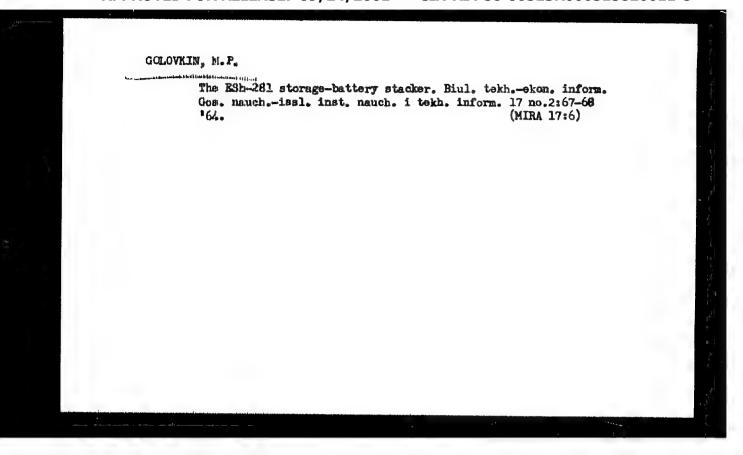
GOLDVKIH, M.P.

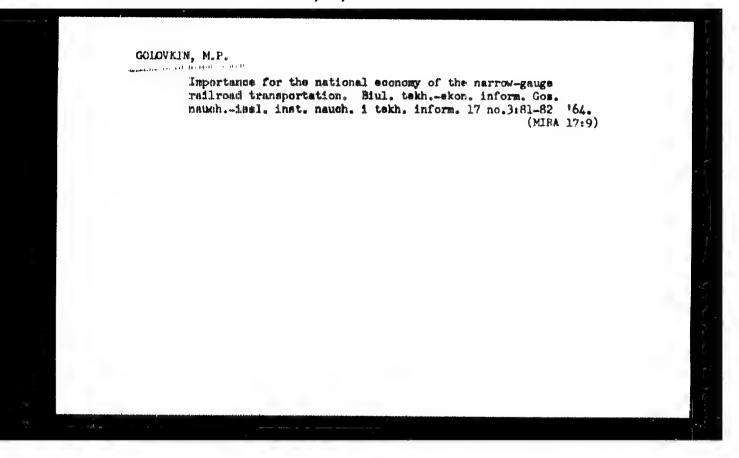
The EF-501 battery-powered five-ton capacity loader. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 16 no.8: 63-64 463.

In the Scientific Council for Industrial Transportation and the Machanisation of Loading and Unloading Operations. 66-67 (MIRA 16:10)









The ESh-182 electric fork-lift truck. Biul. tekh.-ekom. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.2:55-56 F 165. (MIRA 18:5)

ACC NR. AP6006551

(A)

SOURCE CODE: UR/0335/65/000/005/0003/0006

AUTHOR: Golovkin, N. (Professor); Loginov, L.

ORG: Leningrad Technologic Institute for the Rofrigoration Industry (Leningradskiy tekhnologicheskiy institut kholodil'noy promushlennosti)

TITIE: Proper conditions for the refrigeration of meat

SOURCE: Myasnaya industriya SSSR, no. 5, 1965, 3-6

TOPIC TAGS: food processing equipment, food preservation

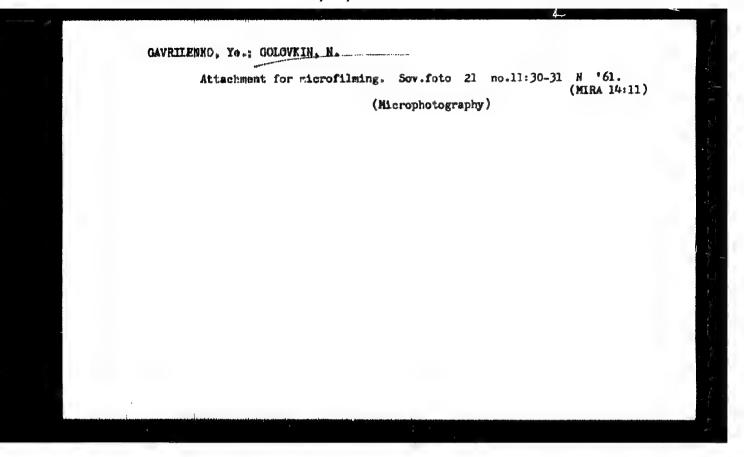
ABSTRACT: The min of the investigation was to determine the length of the refrigeration period for meat as a function of the temperature and the air flow rate. For convenience and accuracy of the observations, the experiments were carried out on a model material which was in the form of a sphere and whose thermophysical properties were close to those of meat. Use was made of agar models with diameters of 0.055, 0.080, 0.090, and 0.100 meters. The refrigeration was carried out at air temperatures of 0, 4, 6, 14, and 19°C at flow rates of 0.2, 1.75, 2.5, 3.8, and 6.9 meters/sec. The experimental data for spheres of different diameters at various temperatures are listed in an extensive table, and a curve shows the change in the mean temperature of the sphere as a function of the temperature and the flow rate of the cooling medium, at the moment when the cryoscopic temperature is reached on the

Card 1/2

UDC: 637.5:542.46.004.13

negative temperatures from -4 to -6°C, should lie within the limits of 1-2 meters Orig. art. has: 12 formulas, 4 figures, and 1 table. SUB CODE: 62, 13/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 002	/800.

colovko, H.	× 200
Right million roubles into the fund of theseven-year plan. Sov. profesiusy 16 no.14:46 J1 '60. (MIRA 13:8)	4
 Predsedatel savkoma stakol nogo savoda "Dagestanskiye ogni," poselok Ogni, Dagestanskoy ASSR. (Ogni (Daghestan)	***************************************
	\$ 500m R

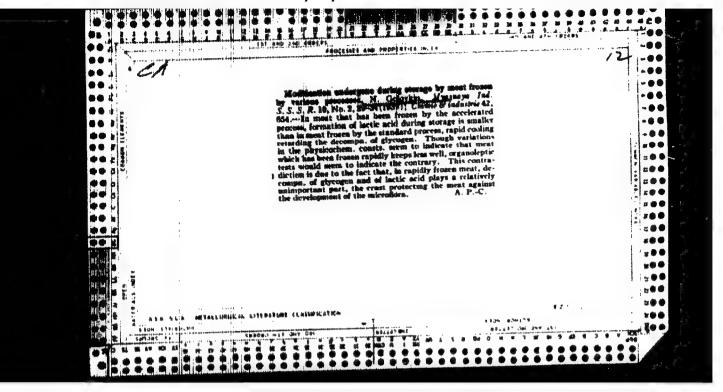


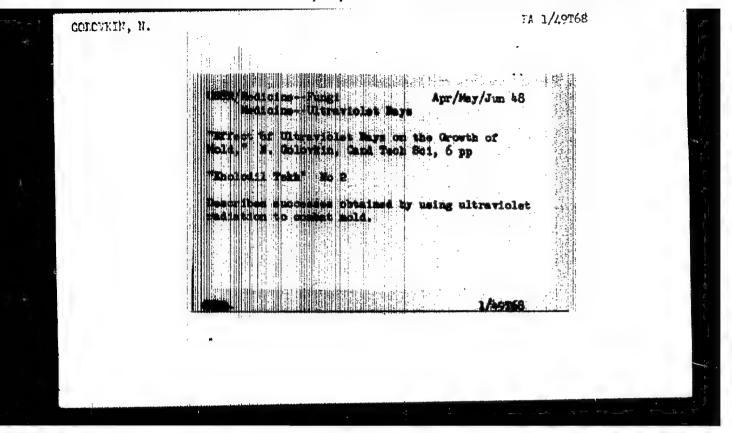
GOLOVKIN, N., prof.; KOSHKIN, N.; BATURIKA, L.

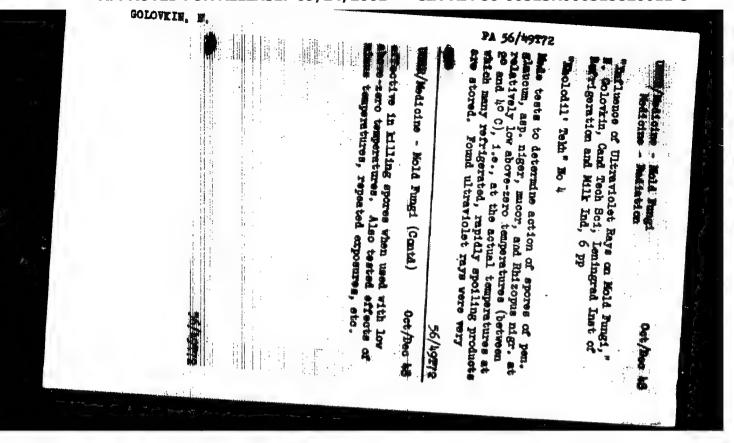
Studying the conditions of food product storage in a chamber with dynamic insulation. Miss.ind.SSSR 33 no.2:47-51 162.
(MIRA 15:5)

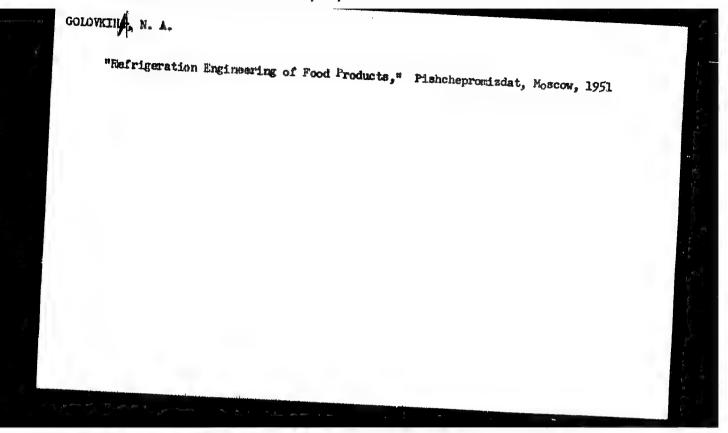
1. Leningradskiy takhnologicheskiy institut kholodil'noy promyshlennosti (for Golovkin, Koshkin). 2. Vsesoyuznyy nauchno-isaledovatel'skiy institut myssnoy promyshlennosti (for Baturina).

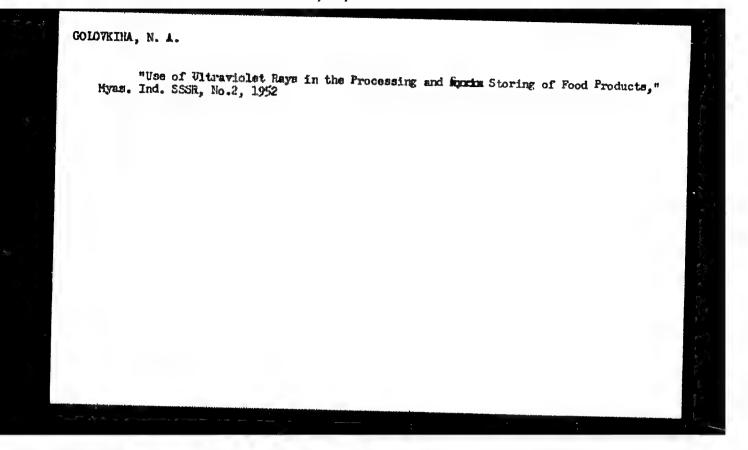
(Leningrad-Cold storage warehouses) (Food--Preservation)





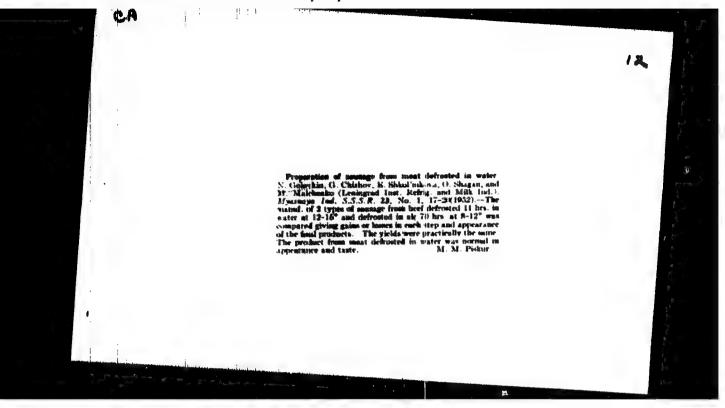






- 1. AREF'TEVA, M.: GCLLWKIN, N.
- 2. USSR (600)
- 4. Butter
- 7. Losses in sweet cream butter during prolonged storage. Mol. prom. 13 no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.



GOLDVKII, N. A.

Dissertation: "Accumulagy of Meat Ameriganation." or least oct, desingrad leastedly institute of the hefrigaration industry, desingrad, 1955. (American Industry, Society, May 54.)

30: 30: 318, 23 Mec 1954.

GOLOVKIN, N.; CHIEROV, G.; SENCLINIOVA, E.; SHAGAN, O.

Defrosting meat in liquid media, Myannaya Ind. S.S.S.E. 24, No.2, 5-8 53.

(GA 47 no.15:7690 253)

1. Leningrad Inst. Refrig. and Dairy Inds.

CHIZHOV, G., doktor tekhnicheskikh nauk; GOLOVKIN, N., kandidat tekhnicheskikh nauk; SHKOL'NIKOVA, Te., kandidat tekhnicheskikh nauk.

Natural losses in meat freezing and storage. Khol.tekh. 30 no.4:27-34 O-D *53. (MLRA 7:3) (Gold storage) (Meat--Preservation)

COLCUPIED, B.A.

The Committee on Stallin Frince (of the Council of Ministers UBER) in the fields of necleace and inventions amnounces that the following scientific works, popular scientific books, and textinodies have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sountekers Bulture, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Been

Colorbin, N.A. Chishev, C.B. Dikelinitowe, Ve. W. irefivova, Mill. Elegan, 1.S.

Title of Hork

"Development of the Lorente of the Technology of Food Products' Refrictors to n"

Hominated by

Ioniner d Institute of Tofrierroti n and Tim Tuluctry

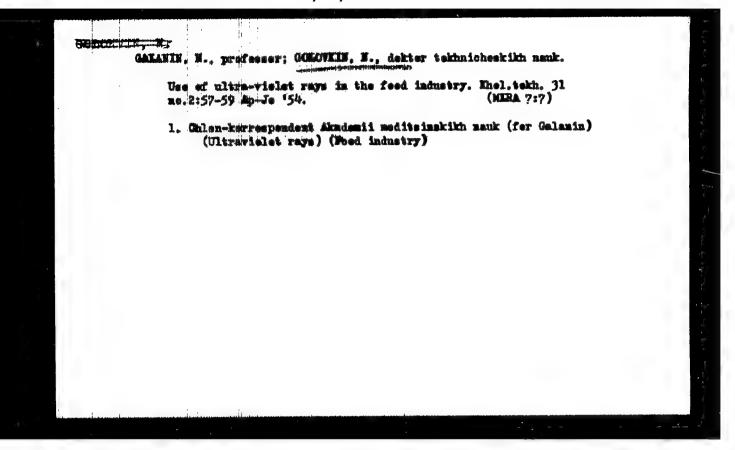
80: W-3060b, 7 July 1954

COLOVKIN, M.A.; CHIZHOV, C.B.; SHKOL'NIKOVA, Ye.F.; SHAGAN, C.S.

Theory of the defrosting of meat. Trudy LTIKHP 5:64-68 '54, (Neat, Frozen) (NIRA 11;3)

GOLOWKIE, N.A., hand, tekhn, nauk, dots.

The singular state of the st



GOLOWKIN, Mikolar Alakseyevich, doktor tekhnicheskikh nauk, professor;

"HERMING HINDER HINDE

[Technology of refrigerating food products] Kholodil'naia tekhnologiia pishchevykh produktov. Hoskva, Gos.izd-vo torgovoi lit-ry, 1955. 375 p. (MIRA 9:3)
(Food---Preservation) (Refrigeration and refrigerating machinery)

GOLOVKIH, N.A., doktor tekhnicheskikh nauk; SHAGAN, O.S., inshener; ALYAMOVSKIY,

Reflect of the speed of air on the time required for cooling meat.
Trudy LTIKHP 11:134-140 '56. (MIRA 10:6)

1. Kafedra kholodil'noy tekhnologii.
(Meat--Preservation)

GOLOWELE doktor tekhnicheskikh nauk; SHAGAN, O.S., inzhener; ALYAMOVSKIY, I.G., inzhener.

Matural losses during the cooling of meat. Trudy LTIKHP 11:141-148 '56. (MIRA 10:6)

1. Kafedra kholodil'noy tekhnologii.
(Neat--Preservation)

GCLOVELB, N.A., doktor tekhnic:estikh nauk: CHEMETAK, B.I., inshener.

Ultraviolet irradiation of milk. Trudy LTIKEP 7:29-34 155.
(ALRA 10:9)

1. Kafedra kholodil'noy tekhnologii i kafedra mizicheskoy i koiloidnoy khimii.
(Ultraviolet rays) (Milk-Sterilization)

GOLOVKIE, E.; SEAGAN, O.; ALYANOVEKIY, I.

Variation in natural lesses of meat during refrigeration. Miss. ind. SSSR. 26 no.6:11-15 '55. (MLRA 9:2)

l.Leningradskiy tekhnologicheskiy institut kholodil'ney promyshennesti. (Mest---Preservation)

GOLOWKIN, N.A., doktor tekhnicheskikh nauk; CHIZHOV, G.B., doktor tekhnicheskikh

Natural losses of meat during long storage. Trudy LTIKHP 10:22-32 '56.

(MIRA 10:6)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti.

(Mutton-Storage)

Use of ultraviolet rays in the food industry. Trudy LTHMP 10:45-52
156.

1. Chlen-korrespondent Akademii meditsinskihh nauk SSER (foo Galanin).
2. Voyenno-meditsinskaya akademiya imeni S.M. Kirova (for Galanin).
3. Lesingradskiy tekhaplogioheskiy institut kholodil'noy promyshlennesti (for Gelovkin).

(Ultraviolet rays) (Food-Bacteriology)

GOLOVKIN, N.A.

USSR Chemical Technology, Chemical Products and Their Application

マニつり

Food industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 33056

Golovkim N. A., Shagan O.S., Alyamovskiy I.G.

: Leningrad Technological Institute of the Refrig-Inst

eration Industry

: Natural Losses on Cooling of Meat Title.

Tr. Leningr. tekhnol. in-ta kholodil'n. prom-sti, 1956, 11, 141-148 Orig Pub:

Drying of meat was studied under different condi-Abstract:

tions of cooling. The computation method that was utilized made it possible to confirm, on the basis of a limited number of weighings, the exper-

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application

I-32

Food industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 33056

imental data on drying secured over the entire period of cooling. As a result of this work a relationship has been found to exist between duration of cooling of the sides, velocity of air flow and haunch-thickness of the sides. The optimal air flow velocity during cooling of sides has been determined. Advantages of a two-stage cooling over a single-stage cooling have been demonstrated.

Card 2/2

GOLOVKIH, N., professor; CHIZHOV, G., professor; AREF'YEVA, N.; ALYAMOVSKIY, I.;

URBERTH, U.

Hatural lesses in fresen mutton in lengthy storage. Khel.tekh.33 ne.2:
25-30 Ap-Je '56. (Meat, Fresen) (NIRA 9:9)

:

QOLOVKIW, N.A., prof., doktor tekhn.msuk; CHERNYAK, B.I., insh.

Refect of irradiated milk as a medium upon the activity of lactice bacteria. Trudy LTIKHP 13:3-6 '57.
(MIRA 13:6)

l. Kafedra kholodil'noy tekhnologii i fizicheskoy i kolloidnoy khimik Leningradskogo tekhnologicheskogo instituta kholodil'noy promyshlennosti. (MILK-BACTERIOLOGY)

GOLOVKIN, N. A.

Golovkin, M. A., Alyamovskiy, I. G., Pershina, Mrs. L. I., and Chigan, C. S. (Leningrad Technological Institute of the Refrigerating Industry): "The Mechanics and Chemistry of Muscular Tissue in the Refrigeration of Meat and Fish" [Inglish - 7 pages]

report presented at the International inst. of Refrigeration (IIR), Annual Meetings of Commissions 3,4, and 5, Moscow, 3-6 Sep 1958.

SOLOVKIN, N., doktor tekhn.nauk, prof.; PERSHINA, L., doktor tekhn.nauk, prof.

Frocessing and storage of crayfish under refrigeration [with summary in English]. Ehol. tekh. 35 no.1:26-27 Ja-F '58.

(Grayfish)

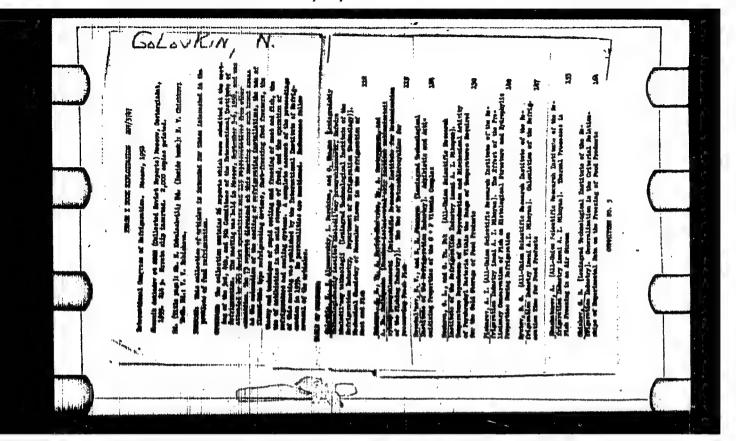
(Grayfish)

GOLOVKIH, M., prof.: SHAGAN, O., insh.

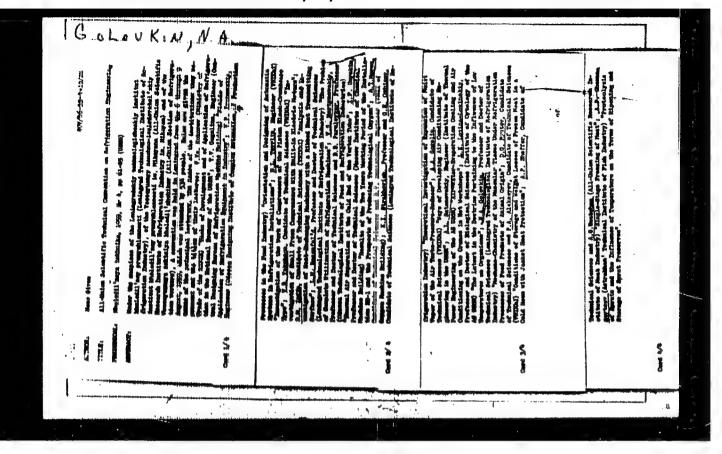
٠٠.

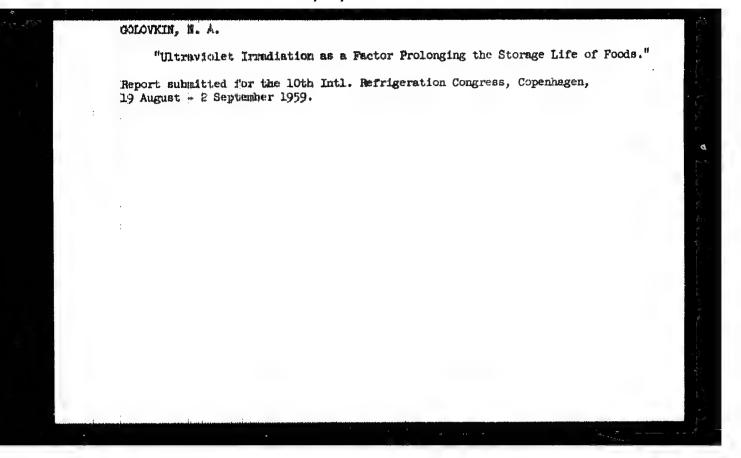
Change in mechanical and chemical properties of muscular tissue during refrigeration of meat [with summary in English]. Ehol. tukh. 35 no.6:42.44 N.D 158. (NIRA 12:1)

l. Leningradskiy tekhnologicheskiy institut kholodil'noy
pronyshlennosti.
(Meat, Frozen)



"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515820011-8





GOLOVKIN, R., prof.; KOSHKIK, M.; BATURINA, L.

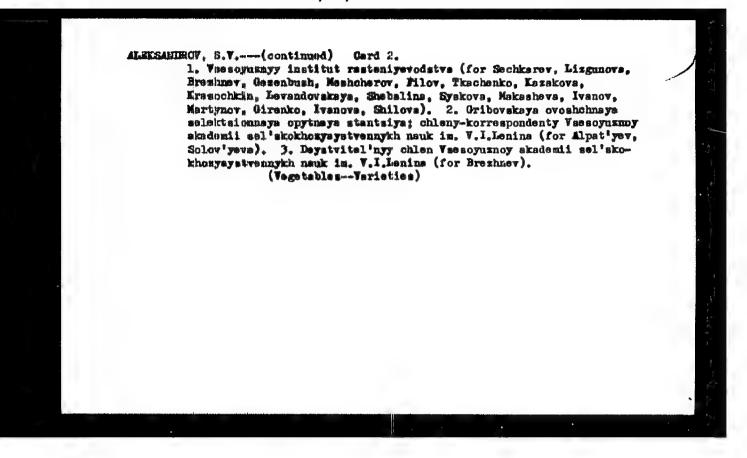
Copling of meet in air supersaturated with moisture. Miss.prom.
SSSR 31 no.3:52-53 '60. (MIRA 13:9)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlenmosti (for Koshkin). 2. Vsesoyusnyy nauchnoissledovatel'skiy institut myasnoy promyshlenmosti (for Baturina). (Meat, Frozen)

RADTL'KES, I.S., prof., doktor tekha.nauk; BUKHTER, Ye.Z., insh.;
VHINEERG, E.S., kand.tekha.nauk; YOL'EKAYA, L.S., insh.; GERSH,
S.Ya., prof., doktor tekha.nauk [deceased]; GUREVICH, Ye.S., insh.;
DAEILOVA, G.B., kand.tekha.nauk; YMYIMOVA, Ye.V., insh.; IOFFE,
D.M., kand.tekha.nauk; KAW, K.D., kand.tekha.nauk; LAYROVA, V.V.,
insh.; MEDCVAR, L.Ye., insh.; ROZEMFEL'D, L.M., prof., doktor tekha.
nauk; TKACHWV, A.G., prof., doktor tekha.nauk; TSYRLIN, B.L.;
SHODELISHSKIY, M.G., insh.; SHCHERRAKOV, V.S., insh.; YAKOBSON, V.B.,
kand.tekha.nauk; GOGGEIN, A.A., retsensent; GUKHMAN, A.A., retsensent;
KARPOV, A.V., retsensent; KURYLNV, Ye.S., retsensent; LIVSHITS, A.B.,
retsensent; CHISTYAKOV, F.M., retsensent; SHEYNDLIN, A.Ye., retsensent; SHEMSHEDINOV, G.A., retsensent; PAVLOV, R.V., spetsred.;
KOBULASHVILL, Sh.W., glavnyy red.; RYUTOV, D.G., sam.glavnogo red.;
QOLOVKIN, M.A., red.; CHIZHOV, G.B., red.; MAZAROV, B.A., glavnyy
red.imd-ve; MIKCEAYNA, M.G., red.; EYDINOVA, S.G., mladshiy red.;
MEDRISH, D.W., tekha.red.

[Refrigeration engineering; encyclopedic reference book in three volumes] Kholodil nais tekhnika; entsiklopedicheskii spravochnik v trekh knigekh. Glav.red. Sh.H.Kobulashvili i dr. Leningrad, Gostorgizdat. Vol.1. [Techniques of the production of artificial cold.] Tekhnika proixvodstva iskusstvennogo kholods. 1960. 544 p. (MRA 13:12)

(Refrigeration and refrigerating machinery)



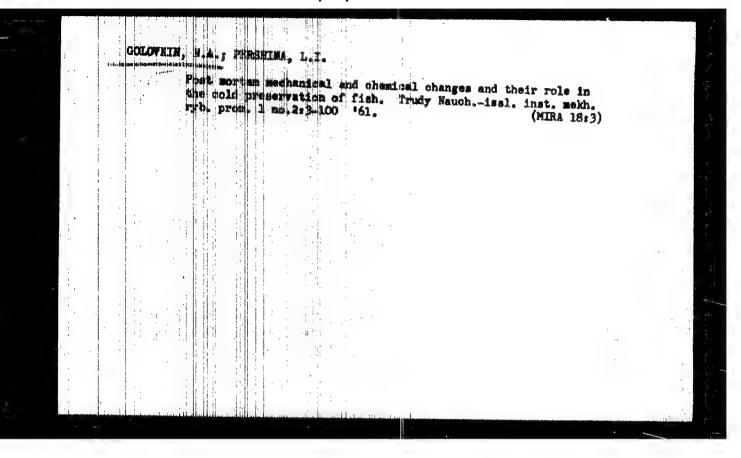
GOLOVKIN, N.A., doktor tekhn.nank, prof.; PERSHINA, L.I., inah.

Effect of the partial fracting out of water on the quality of fish and their storage life. Khol. tekh. 38 no. 1:35-38 Ja-F '61.

(MIRA 14:4)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti (for Golovkin). 2. Nauchno-issledovatel'skiy institut makhanisatsii rybnoy promyshlennosti (for Pershina).

(Fish, Frozen)



GOLOVKIH, N.A.; PERSHINA, L.I.; VOSKOBOY, A.V.

 $\mathcal{Z}_{\mathbb{R}^{n}}$

Volatile reducing substances as a fish quality index during its cold storage. Izv. vys. ucheb. :zav.; pishch. tekh. no. 2:161-168 161. (MIRA 14:5)

l. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlamnosti. Kafedra obshchey i kholodil'noy tekhnologii. (Fish—Preservation)

GOLOVKIN, N.A., doktor tekhn.nauk, prof.; STRAKFOVICH, K.K., inzh.;

TSVETKOV, A.I., inzh.

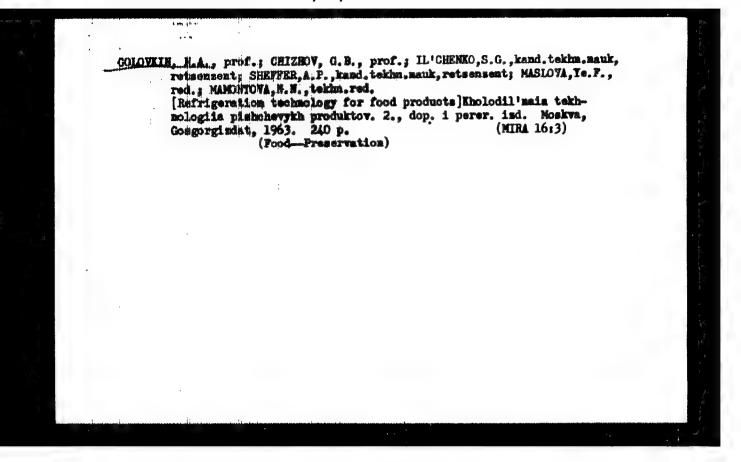
Problem of apple storage under sub-freezing temperatures. hhol.tekh. 39 no.2:32-33 Mr-Ap '62. (MIRA 15:4)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy
promyshlemnosti. (Apples--Storage)

COLOVKIN, H. A.; HASEOVA, G. V.

"Biophysical studies of the state of fish muscle during chilling and cold storage."

Report presented at the 11th International Gongress of Refrigeration, (IIR); Munich, West Germany, 27 Aug-4 Sep 63.



GORRATOV, Vasiliy Matveyevich, dots.; MANERBERGER, Aleksandr
Abramovich, prof.; GOLOVKIN, N.A., prof., doktor tekhn.
nauk, retsensent; AZARKH, Z.Sh., inzh., retsenzent;
KOSSOVA, O.N., red.; ZARSHERIKOVA, L.N., tekhn. red.

[Use of refrigeration in the meat industry] Primenenie
kholoda v miasnoi prosymblemnosti. Moskva, Pishchepromindat, 1963. 286 p.

(Meat—Preservation)

(Refrigeration and refrigerating machinery)

GOLOVEIN, N. A.; PERKEL!, R.L.; STRAKHOVICH, K.K.

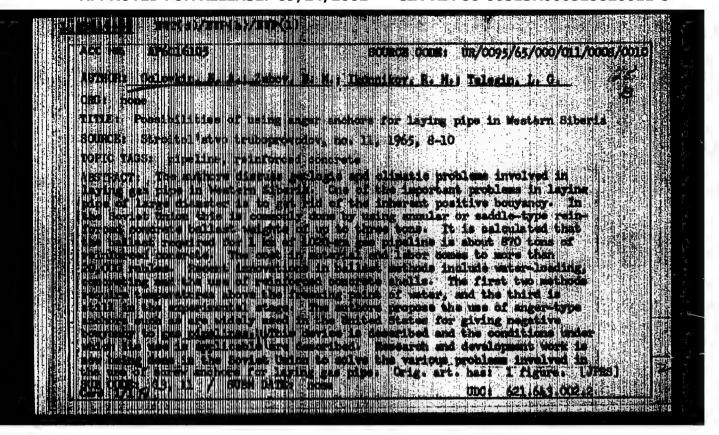
Methods for determining apple viability in case of cold storage. Inv. vys. ucheb. sav.; pishoh. tekh. no.4:144-148 163. (MIRA 16:11)

la Lenizgradskiy tekmologicheskiy institut kholodil'noy promyshlennosti, kafedra obshchey i kholodil'noy tekhnologii.

GOLOVKIN, N. A.; MOZDRUNKOVA, I. R.

Determination and role of calcium and magnesium cations during meat refrigeration and storage. Izv. vys,ucheb.zav.; pishch.tekh.no. 2:35-37 164. (MIRA 17:5)

l. Leningradskiy tekhnologicheskiy institut iholodilinoy promyshlennosti, kafedra obshchey i kholodilinoy tekhnologii.



GOLOWKIN, N.A.; ZUBON, N.H.; IKONNIKON, R.M.; TELEGIN, L.G.

Possibility of using screw anchors in laying pipelines in
. Mestern Siberia. **Baroi.** truboprov. 10 no. 11:8-10 N *65.

(NIRA 18:12)

AUTHORS:

Golovkin, N. N., Ignat'yev, O. S.

SOV/30-58-9-37/51

TITLE:

Development of Researches on Highly Molecular Compounds (Ranvitiye issledovaniy po vysokemolekularnym soyedineniyam)
In the Presidium of the Council for Co-Ordination of
Scientific Work of the Academies of Sciences of the Union
Republics and the Branches (V Prezidiume Soveta po koordinate in nauchnoy deyatel nosti akademiy nauk soyuznykh respublik

i filialov)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 9, pp. 101 - 104 (USSR)

ABSTRACT:

The session of the presidium of the council took place on June 21st. A.V.Topchiyev, Vice-President of the AS USSR, stressed the importance of these researches in order to fulfil the resolutions of the plenary session of the TsK KPSS in May. He mentioned that the scope of researches at present carried out is insufficient. In order to prepare a prespective plan for the years 1959 - 1965 a special committee was set up. 42 main trends for researches on the subject of highly molecular compounds were fixed. The chairman of the scientific council V.A.Kargin, Member, Academy of

Card 1/5

Development of Researches on Highly Molecular Compounds. SOV/30-58-9-37/51 In the Presidium of the Council for Co-Ordination of Scientific Work of the Academies of Sciences of the Union Republics and the Branches

Sciences, USSR, reported about the activities of the council. Further addresses were given by:
M.F.Nagiyev, Vice-President of the AS Azerbaydzhan -SSR, on the urgency to intensify researches on the field of technological phenomena.
S.D.Mekhtiyev, Head of the Petroleum-Institute of the AS Azerbaydzhan SSR, on the efforts in the field of petroleum chemistry.

V.I.Nikitin, Head of the Institute of Chemistry of the AS Taduhikskaya SSR, requested assistance in training scientific caders.

A.Te.Arbuzov, Chairman of the Kazan' Branch of the AS USSR, mentioned the problem of proper assignment of scientific staff.

Kh.U.Usmanov, Head of the Institut khimii rastitel'nykh veshchestv Akademii nauk Uzbekskoy SSR(Institute of Chemistry of Vegetable Materials of the AS Usbekskaya SSR), outlined the tasks of Usbekistan scientists in connection

Card 2/5

Development of Researches en Highly Molecular Compounds. SOV/30-58-9-37/51 In the Presidium of the Council for Co-Ordination of Scientific Work of the Academies of Sciences of the Union Republics and the Branches

with the rich supply of cellulose and natural gases. R.D. Obolentsev, Chairman of the Bashkirskiy filial Akademii nauk SSSR (Bashkiriya Branch of the AS USSR), spoke about the urgency to intensify researches on the sulphurous petroleum deposits of Bashkiriya. N.F. Termolenko, Member, Academy of Sciences, Belorusskaya SSR, stressed the problems of development of the chemical industry of his country in connection with her deposits of turf and petroleum. Yu. Yu. Matulis, President of the AS Litovskaya SSR, remarked that Lithuania (Litva) is rich in vegetable raw materials, thus has to itensify her research on this field. S.A. Giller, Corresponding Member, AS Latviyskaya SSR. informed the assembly of the intention of Latvia (Latviya) scientists to carry out research on the use of natural polymers. A.T.Kyll, Head of the Institute of Chemistry of the Academy of Sciences, Estonskaya SSR, mentioned problems in connection

Card 3/5

Development of Researches on Highly Molecular Compounds. SOV/30-58-9-37/51 In the Presidium of the Council for Co-Ordination of Scientific Work of the Academies of Sciences of the Union Republics and the Branches

with the use of the slates of Estonia (Estoniya). G.M. Shohegolev, Head of the Institute of Heat Energetics of the Academy of Sciences, Ukrainian SSR, recommended to lay more stress upon the use of coal and other solid fuels for the production of polymeric material.

Card 4/5

sov/30-58-9-37/51

Development of Research on Highly Molecular Compounds

In the Presidium of the Council for Co-ordination of Scientific Work of the Academies of Sciences of the Union Republics and the Branches

I.P. Bardin, Member, Academy of Sciences, USSR, Vice-President of the AS USSR, pointed out the importance of coal and wood as raw materials for the production of polymeric material. At last the chairman of the Council, A. N. Nesmeyanov, Member, Academy of Sciences, USSR, addressed the assembly and said that the whole scientific staff has to be employed for the development of chemistry. But it is necessary to recruit new scientists for the staff in order to avoid a removal of scientists from tasks likewise important. A resolution was passed to ask the Presidium of the AS USSR for its assistance in training adequate scientific personnel.

Card 5/5

GOLOVKIH, P.; BIBIKOV, N.

Economise metal in installing electric wiring fittings in apartment houses and buildings serving cultural and public needs. Na stroi. Nosk. 2 no.10:29-31 0 159. (HIRA 13:2)

1. Clawmy inshener Energosbyta Mosenergo (for Golowkin).
2. Starshiy inshener tekhnicheskogo otdela Energosbyta Mosenergo (for Bibikov).

(Electric wiring)

FRENKAL', R.H.; RAPHAN, A.A.; PREMPELITSKIY, S.G.; GOLOVKIE, P.I.;

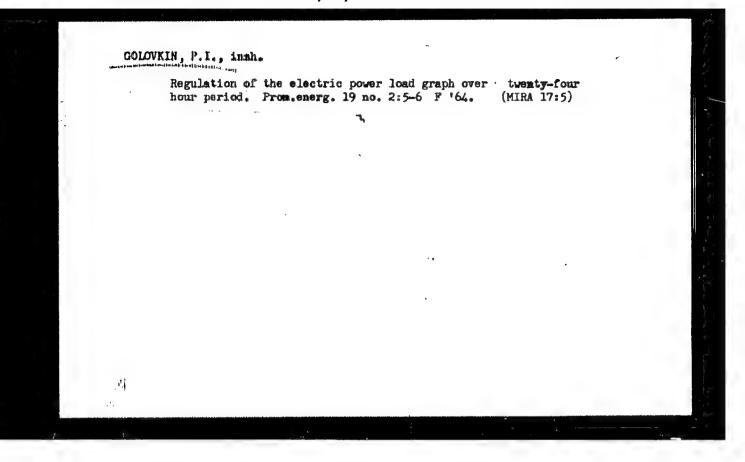
Discussion of the use of PPV wires. Prom.energ. 11 no.8:24-26 Ag 156. (NLRA 9:11)

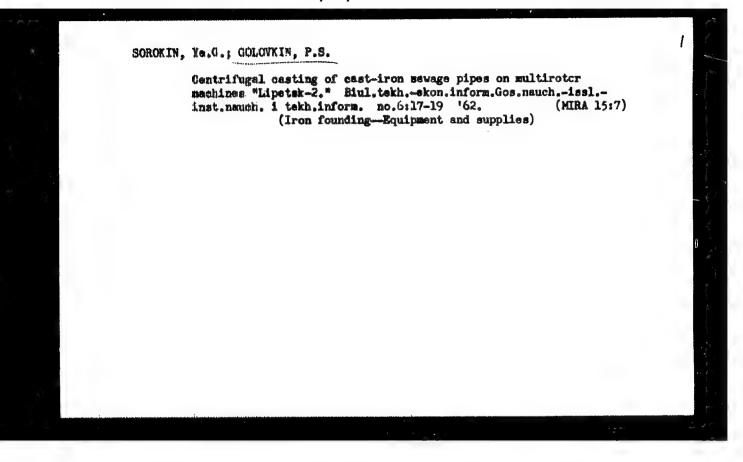
1. Glavelaktromomtash Ministerstva stroitel'stva (for Frenkel').
2. Moskovskoye proyektno-eksperimental'maye otdeleniye Gosudarstvennogo Politekhnicheskogo instituta Tyashpromelektroproyekta
(for Kaplan). 3. Blektrootdel instituta "Mosproyekt" (for Perspelitskiyl. 4. Gerodskaya elektroinspektsiya Mnergosbyta Mosenerge
(for Golovkin and Knyasev).

(Blectric wire, Insulated)

Participation of Moscow power engineering workers in all-Union competitions for the best suggestions for saving electric power. Prom. energ. 16 no.2:50-51 F '61. (MIRA 14:3) 1. Predsedatel' komissii sodeystvia Vsesoyusnomu konkursu pri Rasavasabyte Mosenergo. (Moscow—Kleetric industry workers) (Electric power)

GOLOVIIN, P.I., insh,
when the distribution and printing work in the establishment of an optimum optim





CIA-RDP86-00513R000515820011-8 "APPROVED FOR RELEASE: 09/24/2001

18(5), 25(1) 2017/13/159-7-13/15

AUCHOR:

Zhaktwakiy, R.D., Candidate of Technical Colences, 211 beganteyn, T.M., Candidate of Technical Colences

Bolovkin, R.V., Engineer

TICLE: Hesustance Seam-Putt Welding of Pipes by Pigher Pre-

quency Currents

Syarochnoye proisvodatvo, 1959, Mr 7, pp 42-45 (USSR) PERIODICAL:

ABSTRACT: The authors present the results of an experimental

investigation of the influence of the welding ourrent frequency on the quality of pipe welding seams at different welding speeds. The experiments were conducted on a pipe welding machine of type 20-102 of the Woskovskiy trubnyy zavod (Moscow Pipe Flant) designed for welding tubes with a diameter of up to 102 mm at a maximum welding speed of 60 m/min at a nominal capacity of the rotary transformer of 800 kva. The

machine received power from a converter unit consis-

Ľ.

ting of two basic generators, and an auxiliary exciter. The electrical circuit diagram is shown in Coard 1/4

007/175-59-7-13/15

Resistance Seam-Butt Welding of Pipes by Higher Prequency Gurrents

Fig. 2. The authors remarked that the experimental installation had a number of deficiencies, the analysis of which is beyond the scope of this paper. These deficiencies must be eliminated then developing new converters. The test results depend to a considerable degree on the conditions of the tubes to be welded. Thermal treatment improves considerably the quality of the electrically welded tubes. When welding takes of 33 x 1.5 mm at a speed of 40 - 50 m/min, a frequency increase to 150 cycles improved considerably the strength of the welding seam. At a speed of 30 m/min a change of the current frequency did not show any essential influences. Increasing the frequency to 300 cycles at welding speeds of 40 - 60 m/min did not produce a noticeable improvement of welding seam strength. When welding tubes of 33 x 1.5 mm at a speed of 30 m/min, an increase of the relding seam strength is observed then increasing the frequency to 100 cycles. I further frequency increase reduced the

Card 2/4

TO 1 1371-19-7-13/15

Resistance Seam-Butt Welding of Pipes by Figher Frequency Currents

strength of the seam. I considerable strength reduction of the seam was observed when welling tubes of 45 x 3 mm at a speed of 40 m/min at a frequency increased to more toan 100 cycles. It welding speeds of 20 - 30 m/min, a frequency change within the range of 50 - 200 cycles did not have an escential influence on the strength of the seam. Welding tubes of 102 x 2.0 mm showed that, at a speed of 20 - 30 m/min, an increase of the current frequency to 150 cycles does not produce a considerable change of the relding seam strength. But already at a speed of 70 m/min, some reduction of the strength was noticed, at a frequency higher than 100 cycles. Consequently, when welding tubes on the machine type 20 - 102 with a speed of 30 - 60 m/min, the best results, according to technological tests, were obtained at frequencies ranging from 100 - 150 cycles. This conclusion does not mean in any way that a further increase of the frequency is not to be made in trinciple. There are no founda-

Card 3/4

DOT/135-80-7-13/15

Resistance Seam-Burt Welding of Pipes by William Frequency Currents

tions for assuming that a frequency increase to 300 - 350 cycles will lead to a reduction of the melding seam strength as this was observed in the authors' experiments. The authors present the test results in 9 graphs and 1 table. The experiments further showed that a continuous frequency control is not necessary. It is sufficient to increase frequency range at intervals of 50 cycles. It may be assumed that the application of melding transformers with small electrical losses will facilitate the application of converters with an uncontrolled frequency of 150 cycles. There are 1 photograph, 1 circuit diagram, 9 graphs, 1 table and 3 references, 2 of which are Soviet and 1 English.

ASSOCIATION: UkrFITT Moskovskiy trubnyy zavod (Moscov Pipe Plant) Cand 4/4

SGV/133-59-9-17/31

AUTHORS:

Klyamkin, N.L., Candidate of Technical Sciences. Manegim, Yu. V., Konyushenko, A.T., Golovkin, R.V.

and Protopopov, N.N., engineers

TITLE:

Mastering of the Production of Tubes by Atomic Hydrogen

Welding

PERIODICAL: Stal', 1959, Nr 9, pp 821-827 (USSR)

ABSTRACT:

In view of some difficulties in piercing tube billets from some alloy steels and a high consumption of metal in subsequent rolling, the production of tubes from such steels by atomic hydrogen welding of strip should be more economical. After investigations of the process by TsNIIChM and the Moscow Tube Works on an industrial plant for the automatic atomic hydrogen welding of tubes was developed. Conditions of stability of welding arc on the

diameter of electrodes and their holders supplying

hydrogen - table 1; the dependence of electric parameters of the arc on the rate of the supply of hydrogen and the distance between the centres of electrodes - Fig 3 and 4 respectively. The installation for the production of alloy tube consists of a modified tube forming stand of the type 10 - 60, six arcs automatic welding head with a control panel, welding transformers and a system of power,

Card 1/2

SOV/133-59-9-17/31

Mastering of the Production of Tubes by Atomic Hydrogen Welding

gas and water conduits (Fig 5). The welding head - Fig 6; scheme for automatic control - Fig 7. Welding conditions for steels lKh18N9, Kh18N11B, E1533 and 50KhFA - Table 2; results of testing of welded tubes - Table 3; macro and microstructure of welded seam - Fig 8 and 9 respectively. The results of testing of welded tubes indicated that their properties correspond to standards for seamless stainless tubes (GOST 5543-50). There are 9 figures and 3 tables.

ASSOCIATIONS: TSNIIChM
Moskovskiy trubnyy zavod (Moscow Tube Works)

Card 2/2

GOLOVKIN, R.V.

56611

25(1) 18.7500

SOV/29-59-10-8/27

AUTHORS :

Remanusher, F., Head of the Central Laboratory of the Moscow Tube Works, Golovkin, R., Head of the Welding Laboratory

TITLE:

Wolding in Helium

PERIODICAL: Tekhnika molodeshi, 1959, Er 10, p 8 (USSR)

ABSTRACT:

In this article the authors describe, a new mathod of producing tubes, by means of protective gas welding. An automatic tube welding machine was installed at the Moscow Tube Works (Fig). Tubes are produced from cold-rolled metal strips. Their width depends on the projected tube profile. The tube-shaped strip is conveyed to the welding device (figure on the left). The abutting edges are welded together in the light-arc, oxidation by the outer air being prevented by means of the protective gas emerging from a jet, After leaving the range of the lightare, the edges are welded together. Until recently, argon was used as protective gas. The quality of the welding seams obtained by means of the argon arc process is absolutely satisfactory. The method is also universal, because it may be used for the welding of tubes made from various types of steel, non-ferrous metal, and their alloys. However, in spite of the advantages it offers, the method also has a great dis-

Card 1/2

Welding in Helium

SOV/29-59-10-8/27

advantage, vis., it is top slow. This is due to the low ionimation potential of argon. In order to increase the afficiency
of the tube welding machine, experiments were carried out
with 2 and 3 arcs as well as with protective gases of different
compositions. The best results were obtained by means of helium.
With amperage being equal, the electric capacity of the arc
and its thermal effect in helium is considerably increased,
by which operation is accelerated. Although helium is considerably more expensive than argon, the total costs of tube production are lower by 8% as a result of accelerated operation.
There are 2 figures.

ASSOCIATION: Moskovskiy trubnyy savod (Mosnow Tube Works)

4

Card 2/2

125100

\$/136/60/000/01/012/021 E091/E255

AUTHORS:

konyushenko, A. T. Golovkin, R. V., Konstantinov, V. I., and Polyakov, Ya. M.

TITTLE:

Manufacture of Tantalum Tubes

PERIODICAL: Tavetnyme metally, 1960, Nr 1, pp 60-67 (USSR)

ABSTRACT: The suthors have developed a new and efficient technique for fabricating metal tubes, among them tantalum tubes. The process consists in butt-welding strip and forming it into tubes; these are welded by argon arc in an existing reconstructed automatic electric welding tube The dimensions of the original strip ere determined by

mill and subsequently passed through rolling mills (Fig 1). the size of the tube required and the possibility of its manufacture in a given plant. The application of clamps and directing instruments in rolling prevents scrap due to strip coming out in a crescent-shaped form. Cutting of the strip edges is carried out with disc shears.

Pieces of strip were butt-welded by argon arc welding in the modernised automatic machine "ADS-1000-2" by constant direct current (experiments on the welding of Card 1/3 tantalum strap with alternating current have not given

S/136/60/000/01/012/021 E091/E255

Manufacture of Tantalum Tubes

satisfactory results). Tungsten rods (VT-15) containing 1.5% thorium oxide were used as electrodes. Saturation of tantalum with nitrogen and oxygen increases the hardness and brittleness of the metal. To prevent this effect the welding zone (the pool of molten metal and the joint both sides of the strip along a length of 50 to 70 mm) was protected by inert gas (argon containing 0.23% nitrogen and 0.05% oxygen) (see Table 1). The strip can be annualed either before butt-welding or after welding and cleaning of the joint. Annealing was carried out by soaking for 1.1/2 hours in an electric vacuum furnace of the TSEP-275 type, at a temperature of 1200°C with a residual pressure of 10-4 mm Hg. The weight of the charge was 30 to 40 kg. Frior to being charged into the furnace the strip was thoroughly washed with acetone. The annealed strip had a UTS (ob) of 51 kg/mm², a percentage elongation (b) of 24.8% and a Rockwell hardness (HRB) of 75; the above mechanical properties show that although not fully annualed, the strip was annealed sufficiently to be formed into tube billets (Table 2). In the continuous forming of the tantalum strip the shaping

Card 2/3

68591 \$/136/60/000/01/012/021 E091/E255

Manufacture of Tantalum Tubes

rolls used were graduated and had groove profiles as shown in Fig 2. Argon was applied to the internal surface of the joint through the end of a hollow rod which was fixed between the fifth and sixth shaping stands. Argon was also applied to the external surface of the joint, by a supplementary nozzle (Fig 3). The best results in the welding of tantalum tubes were obtained when the welding procedures findicated in Table 3 were applied. Table 4 shows the test results on welded tube specimens at various annualing temperatures. In Table 5 the best rolling method for tantalum tubes is given. Tubes of niobium, tantalum, cobalt and their alloys have been fabricated by the new technique. There are 3 figures, 5 tables and 5 Soviet references.

ASSOCIATIONS: Moskovskiy trubnyy zavod (Moscow Tube Works (first two anthors)) Moskovskiy elektrolampovyy zavod (Moscow Electron Lamp Morks (last two authors))

Card 3/3

1 . 1

\$/029/60/000/06/16/020 B008/B007

AUTHOR:

Golovking R., Director of the Welding Laboratory of the

Moscow Tube Mill

TITLE:

Tube 1 Are Welded by Means of High-frequency Current

PERIODICAL:

Tekhnika moledeshi, 1960, Mo. 6, p. 34

TEXT: The new welding technique by means of high-frequency current is described. This technique is being introduced into production by the collective of the Moskowskiy trubnyy saved (Moscow Tube Mill) in collaboration with the ocllective of the Leningradskiy institut tokov vysokoy chastoty imend professors V. P. Vologdina (Leningrad Institute of High-frequency Currents imeni Professor V. P. Vologdin). The scheme suggested in 1946 by Professors S. F. Bogoslovskiy and A. V. Ulitovskiy was taken as a basis. The welding device is fed by means of a high-frequency current of 450,000 cycles. On the Pig. (p. 34 bottom left) the high-frequency welding of tubes is shown. By means of this technique it is possible to produce tubes from non-ferrous metals, from their alloys, as well as from high-alloy steels of from 10 to 102 mm diameter and a wall thickness of from 1

Card 1/2